

FEDERAL UTILITY WORKING GROUP



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NCTR CONTRACT SOURCE

- **Utility Contract with GSA under Areawide Contract with Entergy Arkansas, Inc.**
- **NCTR was authorized to contract on a sole source basis with Entergy for electric services, including energy conservation projects**
- **Exhibit D - Authorization for Energy Management**

NCTR Agreement

- **Used EEI Model as pattern**
- **Includes FAR specific terms and conditions**
- **Issued as one Energy Conservation Measure with task orders**
- **Task orders issued for each Energy Conservation Project (ECP) with work initiated and accepted by phases**

Lessons Learned - Part I

- **Rearrange your thinking**
- **Remove your paradigm**
- **There's more than one way to negotiate a contract -- Uniform contract format not mandatory**
- **Finance negotiations are different: use FEMP resources**

NCTR PHASES

- **Preliminary Audit**
- **Feasibility Study**
- **Engineering and Design**
- **Acquisition and Payback Re-evaluation**
- **Implementation**
- **Operation and Maintenance**

NCTR ECP/ECM

- **Twenty-six ECPs identified in preliminary energy audit**
- **Nineteen selected for implementation of first ECM**
- **Approximately 23% reduction in energy consumption**
- **Estimated construction \$9 million in infrastructure energy conserving projects**

Identified NCTR Projects

Power Factor Correction

Well Pump Replacement

HVAC Modification

District Cooling System

**Double Buss Switchgear and Switchgear Monitoring
System**

Steam Trap Maintenance Program

Auto Boiler Blowdown Heat Recovery

Direct Digital Controls Retrofit and Energy Management

Systems Replacements

High Efficiency Lighting

Identified NCTR Projects - Cont'd

Building Envelope Modifications

High Efficiency Motors

Exhaust Air Energy Recovery

Energy Management Services - Electricity Rate Change

Energy Management Services - Gas Transportation

Actual NCTR Tasks

- **Power Factor correction and Cooling Tower Design**
- **Cooling Tower Implementation**
- **Feasibility Studies for: electric rate analysis; natural gas management; double buss switchgear and monitoring system; additional power factor correction; high efficiency lighting; steam trap and building envelope; district cooling; direct digital controls retrofit and energy management systems replacement**
- **Engineering and Design: high efficiency lighting, additional power factor correction, district cooling**
- **Implementation phase for natural gas transportation**
- **Acquisition phase for high efficiency lighting**

LESSONS LEARNED - PART II

- Benefits from energy and cost savings begin immediately after ECP is completed.

YOU'RE PART OF A WINNING TEAM

- Flexibility in task arrangements, e.g., have all feasibility studies done at once. This allows you the ability to pick and choose based on your circumstances if warranted.
- It's been our experience that rate negotiations per task are more cost effective than setting the rate in the master agreement.





